CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/RS/W.No.12/CSR-03/597i/Cube/2017-18 — 25.04.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. R. Shivaram,** No.4/13, Avalamam Choultry Layout, Magadi Road, Bangalore – 25.
* Name of the work	:	Improvements to roads & drains at Medarahalli cross roads in Ward No.12 Shettyhalli, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	EE/DD/WO/285/2017-18 Dated: 14.03.2018
* Sample ID	:	RCC Drain Side Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	25.04.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.03.2018	25.04.2018	8.285	475.5	21.13
2	28.03.2018	25.04.2018	8.339	504.8	22.44
3	28.03.2018	25.04.2018	8.408	521.4	23.17

*Information is furnished by the Customer/Representative.

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VIDYARANI P.K.
Technical Manager

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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Job No.: CTCE/BBMP/RS/W.No.12/CSR-03/597i/Cube/2017-18 28.04.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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* Agency	:	**Mr. R. Shivaram,** No.4/13, Avalamam Choultry Layout, Magadi Road, Bangalore – 25.
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* Reference	:	EE/DD/WO/285/2017-18 Dated: 14.03.2018
* Sample ID	:	RCC Drain Side Wall Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	28.04.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	31.03.2018	28.04.2018	8.105	499.5	22.20
2	31.03.2018	28.04.2018	8.278	517.3	22.99
3	31.03.2018	28.04.2018	8.393	522.7	23.23

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* Reference	: EE/DD/WO/285/2017-18 Dated: 14.03.2018
* Sample ID	: RCC Drain Side Wall Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
* Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 28.04.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	31.03.2018	28.04.2018	8.160	508.7	22.61
2	31.03.2018	28.04.2018	8.210	522.4	23.22
3	31.03.2018	28.04.2018	8.390	532.4	23.66

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Job No.: CTCE/BBMP/RS/W.No.12/CSR-03/597i/Cube/2017-18 30.04.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
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* Name of the work	:	Improvements to roads & drains at Medarahalli cross roads in Ward No.12 Shettyhalli, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	EE/DD/WO/285/2017-18 Dated: 14.03.2018
* Sample ID	:	RCC Drain Bed Slab Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	30.04.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.04.2018	30.04.2018	8.135	499.7	22.21
2	02.04.2018	30.04.2018	8.285	514.6	22.87
3	02.04.2018	30.04.2018	8.397	522.9	23.24

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Job No.: CTCE/BBMP/RS/W.No.12/CSR-03/597i/Cube/2017-18 02.05.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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* Agency	: **Mr. R. Shivaram,** No.4/13, Avalamam Choultry Layout, Magadi Road, Bangalore – 25.
* Name of the work	: Improvements to roads & drains at Medarahalli cross roads in Ward No.12 Shettyhalli, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	: EE/DD/WO/285/2017-18 Dated: 14.03.2018
* Sample ID	: RCC Drain Bed Slab Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
* Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 02.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.04.2018	02.05.2018	8.137	478.5	21.27
2	04.04.2018	02.05.2018	8.210	502.3	22.32
3	04.04.2018	02.05.2018	8.360	513.2	22.81

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ಕಿರಿಯ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ಮಂಜು
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Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	02.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.04.2018	02.05.2018	8.250	498.5	22.16
2	04.04.2018	02.05.2018	8.389	513.2	22.81
3	04.04.2018	02.05.2018	8.408	522.4	23.22

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ಮಲ್ಲಾ. ರಸ್ತೆ, ಗಣೇಶ್ವಗರ, ಬೆಂಗಳೂರು

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Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	05.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.04.2018	05.05.2018	8.156	487.5	21.67
2	07.04.2018	05.05.2018	8.260	497.3	22.10
3	07.04.2018	05.05.2018	8.310	525.4	23.35

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Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	05.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.04.2018	05.05.2018	8.109	483.5	21.49
2	07.04.2018	05.05.2018	8.227	505.7	22.48
3	07.04.2018	05.05.2018	8.325	516.3	22.95

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